	EQUIPMENT LIST E		B. Equipment to be	pe furnished and /or install (cont.)	ed by the contractor.	F H W A STATE FED. AID SHEET TOTAL PROJ. NO. SHEETS
PROJECT DESCRIPTION	A. Equipment to be	supplied by the Administr		Specification	December	3 MD
I. General	Item No. Quantity Units	Section Desc	Item No. Quantit	-	Description Wooden sign support	
This portion of the project involves the ultimate reconstruction of an	4 EA	₩33 (36	5 in. x 36	4	4 in . x 4 in. Removal and disposal of	PHASING SEQUENCE CHART
existing traffic control signal in conjuction with geometric improvements at the intersection of MD 202 (Largo Rd) and MD 193 in Prince Georges County.		in. groun	und mount		existing materials.	
Maryland. MD 202 is assumed to run in a North-South direction.		v 4	2		Install micro loop probe	1 2 3 4 5 6 7 8 9 10
II. Intersection Operation				•	set	
MD 202 at MD 193. This intersection is proposed to operate in a fully actuated	B. Equipment to be f	urnished and /or installed Specification	ed by the contractor. 1	LS xxx I	Removal and delivery of	
mode with Northbound and Southbound MD 202 left turn lane operating in an exclusive/permissive phase. Eastbound and westbound MD 193 will operate	Item No. Quantity Units	Section Desc	cription		existing material to be salvaged consisting of:	Phase 1 & 5 -6 R -6 -6 R R R R R R R R R
concurrently.	100 LF	preformed	and install permanent ed pavement marking EXISTING:	SIGNAL EQUIPMENT		1 & 5 Change Change to 1 & 6, 2 & 5 or 2 & 6
A NEMA eight (8) phase, full traffic actuated solid state controller with six (6), two-channel loop detector amplifiers with time delay output housed in a base		tape.	4	EA -	Steel strain poles.	Phase 1 & 6 G/G G/R R R R R R R R
mounted cabinet are to be installed at this intersection.	100 LF		and install 2 in. 1	EA -		Phase 1 Y/GY/G G R R R R R R R R Change
III. Special Notes		conduit -	- Trenched		and cahinet - note	Phase 2 & 5 R R R $-G/G-G/G$ G R R R R
1.) The following contact persons for District #3 are as follows:	20 LF		and install 1 in. ight flexible		modifi.	Phase 5 R R R + / G + / G G R R R R R R R R R R R R R R R R R
Mr. Creston Mills Mr. Maj Shakib District Engineer Asst. District Engineer — Traffic			Illic conduit for 3 wire sleeve.	EA –	section (R.Y.G)	Phase 2 & 6
Phone # (301) 513-7311	1 EF	806 Furnish a	and install 250		signal head.	Change ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '
Mr. Carter Wilson Mr. Francis Lauer Asst. District Engineer Asst. District Engineer — Utilities		Watt high	h pressure sodium 5 Luminaire with	EA	12 in. one-way,	Phase 4 & 8
Phone # (301) 513-7305 Phone # (301) 513-7351		photo cel				Change R R R R R Y Y Y
Mr. Richard L. Daff, Sr. Chief. Traffic Operations Division	440 LF	810 Furnish ar electrical	and install al cable — 2	EA -	12 in. one-way, five	Flashing FL
Phone # (410) 787-7630			- (Aluminum		section (R,Y,G,YA,GA) signal	
2.) Maintenance of traffic will be handled by the contractor utilizing the following standard plates for traffic control: 105.02, 105.03, 105.301,	30 LF	810 Furnish an			head.	WIRING DIAGRAM
105.303, 105.309, 105.311, 107.007.			1 cable - 5 (No. 14 AWG).	EA -	Combination 8 in./12 in. one-way, four	WIIVII G DITIGIVII
EQUIPMENT LIST	160 LF	810 Furnish an			section (8 in. R,YG/12 in. GA)	
A. Equipment to be supplied by the Administration		electrical	l cable - 7 (No. 14 AWG).		signal head.	
Specification	540 LF		2 and install loop	EA	D3-2 (var. x 16 in.)	
Item No. Quantity Units Section Description 1 EA 814 12 in. 1 way 3 section		wire encas	used in flexible 1	EA -	R10-12 (36 in. x 42 in.) "Left Turn	
(R,Y,G) signal head — mast arm mount.	160 LF	·	nd install 2 -		Yield on Green".	
1 EA 814 12 in. 1 way 5 section		conductor (No. 12 AW	- Tray cable WG).	EA	sign. 12 in x 40ft wood	tot EL
(R,Y,G,YA,GA) signal head — mast arm mount.	1 EA	811 Furnish an electrical		EA	pole	
2 EA Micro loop probe with	174 SF	813 Install ove	verhead sign —	C.¥	4	
1000 ft, lead in cable	136 SF	-	round mount	D∦	L WE 7	
310 SF 813 Sheet aluminum signs CONSISTING OF:	2 EA	sign. 814 Install si	ignal head -			F - F C
2 EA - R10-12, (36 in, x 42		mast arm m	mount.	Vc.D		B EN EN
in.)"Left Turn Yield on Green",-mast arm mount.	230 LF	cut for si	nd install saw ignal (loop		C.D	A-D EM
2 EA - D3-2 (var x 16 in.) Dual	1 EA	detector). 829 Install ma	· ast arm on signal		A-D	E, G
face "Watkins Park Road"sign mast arm mount.		structure.			Ε	ELEL / PS
1 EA - D3-2(varx16 in.)Dual face	50 LF	555 24 in. whit preformed	pavement	<u>WIRING A</u>	KEY	
"Largo Road" sign — mast arm mount.	150 LF		nd install 6 in. C	A-B - 2 CONDUCTOR ALUN C-D - MICROLOOP PROBE	MINUM SHIELDED (# 14 AWG) LEAD IN CABLE	
2 EA Guide shield assembly		white prefo pavement ma		E — 7 CONDUCTOR (#14 F — 5 CONDUCTOR (# 1	A AWG) 14 AWG)	
(48in. x 75 in.) ground mount	1 EA	asbuild tra	ing disk and Gaffic control E	G — 2 CONDUCTOR TRAY EL — EXISTING LOOP	(CABLE (# 14 AWG)	
2 EA Guide shield assembly (30	1 EA	signal 818 Furnish and	nd install	EM - EXISTING MICROPE LW - LOOP WIRE (#14 A		ULTIMATE SIGNAL
in. x 51 in.) ground mount		20 ft light signal stru	ructure	PS - POWER SERVICE		OLIIVIAIL DIONAL
1 EA Guide shield assembly			REVISIONS	APPROVALS		MDOT - STATE HIGHWAY ADMINISTRATION OFFICE OF TRAFFIC & SAFETY
(48 in. x 75 in.) pole mount.				CHIEF, SIGNAL DESIGN SECTION		TRAFFIC ENGINEERING DESIGN DIVISION
1 EA - R3-5(R) (30 in. x 36 in.)					ORIGINAL R. CICCHINI DRAWN BY	
mast arm mount 1 EA – R3-6 (30 in. x 36 in.)	·			ASST. DISTRINGT ENGINEER, TRAFFIC	DES. BY DO PETERS	MD 202 AT MD 193 GENERAL INFORMATION SHEET
mast arm mount				CHIEF, TRAPFIC ENGINEERING DESIGN DIVISION	- CHK. BY / to //2/2	
		CONSULTIN	NG ENGINEERS A, MARYLAND		DATE: 12/95)	F.A.P. NO. SEE TITLE SHEET TS/FILE NO. SHEET NO.
:\projects\8817013\dgn\sig\new\sw Dec. 20, 1995 14:40:52		COLUMDIA	MANILANU	DIRECTOR, OFFICE OF TRAFFIC & SAFETY	SCALE:	S.H.A. NO 2559 A - GI 0F
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